JOINT INFORMATION ENGINEERING ORGANIZATION

Parkridge III, 10701 Parkridge Boulevard, Reston, VA 20191 SYMBOLOGY STANDARDS MANAGEMENT COMMITTEE DIRECTIVE

SSMC NO: 3-01	Date: August 24, 2001
CP No: MIL00-11B	Title: Add Rectangular Artillery Target Intelligence Zone
Originator, Name and Address: Army/PM EFCCS	
SSMC Action: Approved Approved with Changes Withdrawn Deferred Declared Substantive By: Disapproved Testing Required Prior to Decision Subsequent to Decision Allied Coordination Required	Decision: Approved as modified. See attached CP for approved modifications.
Votes Cast/Proposed Change	
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SYMBOLOGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM									
CHANGE PROPOSAL NUMBER MIL00-11B									
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION						
PM FATDS	ARMY	1 September 2000	August 23, 2001						
CHANGE PROPOSAL TITLE									
ADD NEW SYMBOL, ATI ZONE, RECTANGULAR									
SUGGESTED CHANGE									

The Fire Support community has a requirement to add a new symbol to MIL-STD-2525B.

- 1. The purpose of the rectangular radar Artillery Target Intelligence (ATI) Zone symbol is to graphically display to commanders geometry used by fire support radar's to designate an area from which targeting intelligence data of enemy indirect fires is gathered.
- 2. Recommend adding to hierarchy item 2.X.4, Fire Support, under the "Areas", "Target Acquisition Zones" hierarchy, 2.X.4.3.3, figure B-17, and table B-IV.

OVERVIEW:

Currently, the standard does not contain a symbol depicting rectangular radar ATI Zones. The purpose of the rectangular radar ATI Zone symbol is to graphically display to commanders and operators the geometry used with fire support radar's to designate an area from which targeting intelligence data of enemy indirect fires would is gathered. Incorporation into MIL STD 2525B, which will be used in JMTK and GSD, will allow the symbols to be transmitted, received, and displayed by all battlefield system. The rectangular radar ATI Zone is a required symbol for use in the COP/CTP and to be shared across the battlefield. The development of the COP/CTP is required of all ABCS component systems. Fire Support systems are the producer of rectangular radar ATI Zone for the COP/CTP. Fire Support systems will retain this capability for fielding throughout the Army and USMC.

OPERATIONAL DESCRIPTION

In general, an ATI Zone symbol is used to graphically display to commanders and operators the geometry used with fire support radar's to designate an area from which targeting intelligence data of enemy indirect fires would be gathered and sent to Fire Support systems. Two (2) point locations and a width are required to graphically display a rectangular ATI Zone. The minimum information required to interoperate with another system is defined below.

IMPLEMENTATION

Description: Fire Support, Area, Target Acquisition Zones, ATI Zone, Rectangular

Parameters:

- 1. Anchor Points. This graphic requires two anchor points and a width, defined in meters, to define the boundary of the area. Points 1 and 2 will be located in the center of two opposing sides of the rectangle.
- 2. Size/Shape. Size: As determined by the anchor points. The anchor points determine the length of the rectangle. The width, defined in meters, will determine the width of the rectangle. Shape: Rectangle. The information fields should be moveable and scaleable.
- 3. Orientation. As determined by the anchor points.

Fixed/Dynamic: Dynamic

Hierarchy: 2.X.4.3.3.1.2

Symbol ID: G*F*AZIR--***X

SYMBOLOGY CONFIGURATION MANAGEMENT **CHANGE PROPOSAL FORM** CHANGE PROPOSAL NUMBER MIL00-11B DATE OF ACTION **ORIGINATOR SPONSOR** DATE RECEIVED **PM FATDS** ARMY 1 September 2000 August 23, 2001 **CHANGE PROPOSAL TITLE** ADD NEW SYMBOL, ATI ZONE, RECTANGULAR Tactical Graphic: Example: ATI ZONE W1 ATI ZONE Т **3BDE 4ID JIEO ANALYSIS OVERVIEW:** POTENTIAL CONFLICTS WITH EXISTING SYMBOLOGY: **CONFORMANCE TO SYMBOL GUIDELINES:** ADEQUACY AND IMPACT ON OTHER PROGRAMS: C/S/A COMMENTS **DECISION NOTICE**

SSMC 3-01: Approved as amended. MIL00-11A amended by adding text to point out that width will be defined in meters. See parameters and graphic example above and the example of Table B-IV in attachment A.

Tasks:

1. Modify Figure B-17 to reflect new hierarchy structure (Figure B-17 becomes Figures B-17.1 and B-17.2) and addition of new Fire Support graphics.

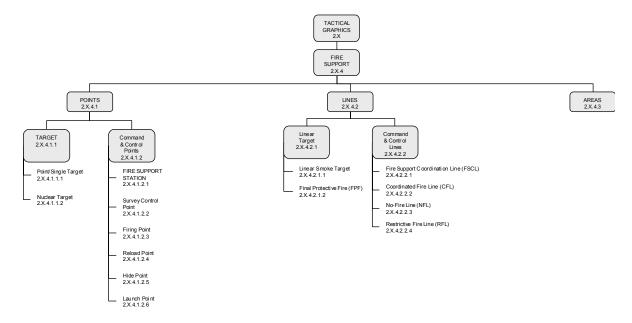


Figure B-17.1. Fire Support.

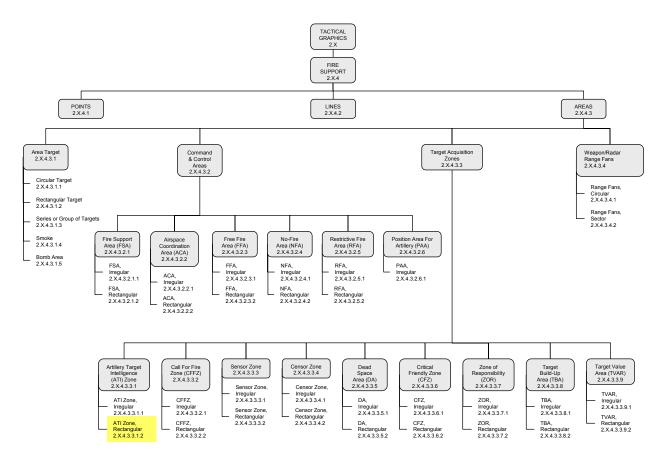


Figure B-17.2. Fire support.

2. Modify Table B-III to reflect restructured hierarchy numbers, provide new symbol IDs for restructured graphics and addition of new graphics' hierarchy numbers and symbol IDs.

HIERARCHY	CODE SCHEME	AFFILIATION	CATEGORY	STATUS		FUNCTION ID		SIZE/MOBILITY	COUNTRY CODE	ORDER OF BAT	DESCRIPTION		
								,		BATTLE			
2.X.4	G	*	F	*				**	**	Χ	FIRE SUPPORT		
2.X.4.1	G	*	F	*	P-			**	**	Χ	POINT		
2.X.4.1.1	G	*	F	*	PT			**	**	Χ	TARGET		
2.X.4.1.1.1	G	*	F	*	PT	S-		**	**	Х	POINT/SINGLE TARGET		
2.X.4.1.1.2	G	*	F	*	PT	N-		**	**	Х	NUCLEAR TARGET		
2.X.4.1.2	G	*	F	*	PC			**	**	X	COMMAND AND CONTROL		
2.X.4.1.2.1	G	_	F	*	PC	F-		**	**	X	FIRE SUPPORT STATION		
2.X.4.1.2.2	G	*	F	*	PC	S- B-		**	**	X	SURVEY CONTROL POINT (SCP) FIRING POINT		
2.X.4.1.2.3	G	*	F	*	PC PC	R-		**	**	X	RELOAD POINT		
2.X.4.1.2.4 2.X.4.1.2.5	G	*	F	*	PC	H-		**	**		HIDE POINT		
2.X.4.1.2.5 2.X.4.1.2.6	G	*	F	*	PC			**	**	X			
	G	*	F	*		L-		**	**	X	LAUNCH POINT LINES		
2.X.4.2 2.X.4.2.1	G	*		*	L-			**	**	X			
	G		F	*	LT			**	**	X	LINEAR TARGET		
2.X.4.2.1.1	G	*	F	*	LT	S- F-		**	**	X	LINEAR SMOKE TARGET		
2.X.4.2.1.2	G		F	*	LT			**	**	X	FINAL PROTECTIVE FIRE (FPF)		
2.X.4.2.2	G	_	F	*	LC	 F-		**	**	X	COMMANDAND CONTROL		
2.X.4.2.2.1	G		F	*	LC			**	**	X	FIRE SUPPORT COORDINATION LINE (FSCL)		
2.X.4.2.2.2	G	-	F	*	LC	C-		**	**	X	COORDINATED FIRE LINE (CFL)		
2.X.4.2.2.3	G		F	*	LC	N-		**	**	X	NO-FIRE LINE (NFL)		
2.X.4.2.2.4	G	_	F	*	LC	R-		**	**	X	RESTRICTIVE FIRE LINE (RFL)		
2.X.4.3	G		F	*	A-			**	**	X	AREAS		
2.X.4.3.1	G		F	*	AT			**	**	X	AREA TARGET		
2.X.4.3.1.1	G		F	*	AT	C-		**	**	X	CIRCULAR TARGET		
2.X.4.3.1.2	G	_	F	*	AT	R-		**	**	X	RECTANGULAR TARGET		
2.X.4.3.1.3	G		F	*	AT	G-		**	**	X	SERIES OR GROUP OF TARGETS		
2.X.4.3.1.4	G		F	*	AT	S-		**	**	X	SMOKE POMP A PEA		
2.X.4.3.1.5	G		F	*	AT	B-		**	**	X	BOMB AREA		
2.X.4.3.2	G		F	,	AC			**	**	X	COMMAND AND CONTROL		
2.X.4.3.2.1	G	*	F	*	AC	S-		**	**	X	FIRE SUPPORT AREA (FSA)		
2.X.4.3.2.1.1	G			,	AC	SI		**	**	X	FIRE SUPPORT AREA (FSA), IRREGULAR		
2.X.4.3.2.1.2	G	*	F	*	AC	SR		**	**	X	FIRE SUPPORT AREA (FSA), RECTANGULAR		
2.X.4.3.2.2	G	*	F	*	AC	A- Al		**	**	X	AIRSPACE COORDINATION AREA (ACA)		
2.X.4.3.2.2.1	G				AC	AI				Х	AIRSPACE COORDINATION AREA (ACA), IRREGULAR		
2.X.4.3.2.2.2	G	*	F	*	AC	AR		**	**	Х	AIRSPACE COORDINATION AREA (ACA),		
2.7.4.3.2.2.2	G		'		AC	AIN				^	RECTANGULAR		
2.X.4.3.2.3	G	*	F	*	AC	F-		**	**	Х	FREE FIRE AREA (FFA)		
2.X.4.3.2.3.1	G	*	F	*	AC	FI		**	**	X	FREE FIRE AREA (FFA), IRREGULAR		
2.X.4.3.2.3.1 2.X.4.3.2.3.2	G	*	F	*	AC	FR	<u></u>	**	**	X	FREE FIRE AREA (FFA), RECTANGULAR		
2.X.4.3.2.4	G	*	F	*	AC	N-	-	**	**	X	NO-FIRE AREA (NFA)		
2.X.4.3.2.4.1	G	*	F	*	AC	NI		**	**	X	NO-FIRE AREA (NFA), IRREGULAR		
2.X.4.3.2.4.1 2.X.4.3.2.4.2	G	*	F	*	AC	NR		**	**	X	NO-FIRE AREA (NFA), RECTANGULAR		
2.X.4.3.2.5	G	*	F	*	AC	R-		**	**	X	RESTRICTIVE FIRE AREA (RFA)		
2.X.4.3.2.5.1	G	*	F	*	AC	RI		**	**	X	RESTRICTIVE FIRE AREA (RFA) RESTRICTIVE FIRE AREA (RFA), IRREGULAR		
		*	F	*		RR		**	**				
2.X.4.3.2.5.2	G	*		*	AC	P-		**	**	X	RESTRICTIVE FIRE AREA (RFA), RECTANGULAR		
2.X.4.3.2.6	G	*	F	*	AC AC	P- Pl		**	**	X	POSITION AREA FOR ARTILLERY (PAA)		
2.X.4.3.2.6.1	U		_ r_		AU	гі				^	POSITION AREA FOR ARTILLERY (PAA),		

	CODE SCHEME	AFFILIATION	CATEGORY	STATUS		FUNCTION ID		SIZE/MOBILITY	COUNTRY CODE	ORDER OF BATTLE	
								Ì	E	TLE	IRREGULAR
2.X.4.3.3	G	*	F	*	ΑZ			**	**	Х	TARGET ACQUISITION ZONES
2.X.4.3.3.1	G	*	F	*	AZ	I-		**	**	X	ARTILLERY TARGET INTELLIGENCE (ATI) ZONE
2.X.4.3.3.1.1	G	*	F	*	AZ	II		**	**	Х	ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, IRREGULAR
2.X.4.3.3.1.2	G	*	F	*	AZ	IR		**	**	X	ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, RECTANGULAR
2.X.4.3.3.2	G	*	F	*	ΑZ	X-		**	**	Χ	CALL FOR FIRE ZONE (CFFZ)
2.X.4.3.3.2.1	G	*	F	*	ΑZ	ΧI		**	**	Χ	CALL FOR FIRE ZONE (CFFZ), IRREGULAR
2.X.4.3.3.2.2	G	*	F	*	ΑZ	XR		**	**	Χ	CALL FOR FIRE ZONE (CFFZ), RECTANGULAR
2.X.4.3.3.3	G	*	F	*	ΑZ	S-		**	**	Χ	SENSOR ZONE
2.X.4.3.3.3.1	G	*	F	*	AZ	SI		**	**	Х	SENSOR ZONE, IRREGULAR
2.X.4.3.3.3.2	G	*	F	*	AZ	SR		**	**	X	SENSOR ZONE, RECTANGULAR
2.X.4.3.3.4	G	^	F	*	AZ	C-		**	**	X	CENSOR ZONE
2.X.4.3.3.4.1 2.X.4.3.3.4.2	G	*	F	*	AZ AZ	CI CR		**	**	X	CENSOR ZONE, IRREGULAR CENSOR ZONE, RECTANGULAR
2.X.4.3.3.5	G	*	F	*	AZ	D-	<u></u>	**	**	X	DEAD SPACE AREA (DA)
2.X.4.3.3.5.1	G	*	F	*	AZ	DI		**	**	X	DEAD SPACE AREA (DA) DEAD SPACE AREA (DA), IRREGULAR
2.X.4.3.3.5.2	G	*	F	*	AZ	DR		**	**	X	DEAD SPACE AREA (DA), RECTANGULAR
2.X.4.3.3.6	G	*	F	*	AZ	F-		**	**	X	CRITICAL FRIENDLY ZONE (CFZ)
2.X.4.3.3.6.1	G	*	F	*	AZ	FI		**	**	Х	CRITICAL FRIENDLY ZONE (CFZ), IRREGULAR
2.X.4.3.3.6.2	G	*	F	*	ΑZ	FR		**	**	Χ	CRITICAL FRIENDLY ZONE (CFZ), RECTANGULAR
2.X.4.3.3.7	G	*	F	*	ΑZ	Z-		**	**	Χ	ZONE OF RESPONSIBILITY (ZOR)
2.X.4.3.3.7.1	G	*	F	*	ΑZ	ZI		**	**	Χ	ZONE OF RESPONSIBILITY (ZOR), IRREGULAR
2.X.4.3.3.7.2	G	*	F	*	ΑZ	ZR		**	**	Χ	ZONE OF RESPONSIBILITY (ZOR), RECTANGULAR
2.X.4.3.3.8	G	*	F	*	ΑZ	B-		**	**	Χ	TARGET BUILD-UP AREA (TBA)
2.X.4.3.3.8.1	G	*	F	*	AZ	BI		**	**	Х	TARGET BUILD-UP AREA (TBA), IRREGULAR
2.X.4.3.3.8.2	G	*	F	*	AZ	BR		**	**	Х	TARGET BUILD-UP AREA (TBA), RECTANGULAR
2.X.4.3.3.9	G	*	F۱	*	AZ	V-		**	**	Х	TARGET VALUE AREA (TVAR)
2.X.4.3.3.9.1	G	*	F	*	AZ AZ	VI VR		**	**	X	TARGET VALUE AREA (TVAR), IRREGULAR
2.X.4.3.3.9.2 2.X.4.3.4	G	*	F	*	AZ			**	**	X	TARGET VALUE AREA (TVAR), RECTANGULAR WEAPON/RADAR RANGE FAN
2.X.4.3.4.1	G	*	F	*	AX	 C-	<u></u>	**	**	X	WEAPON/RADAR RANGE FAN. CIRCULAR
2.X.4.3.4.2	G	*	F	*	AX	S-		**	**	X	WEAPON/RADAR RANGE FAN, SECTOR
4.A.T.J.T.L	U	<u> </u>		<u> </u>	$\wedge \wedge$	<u> </u>		ļ	ļ	^	WEALOR/NADAN NAMOE LAN, SECTOR

3. Modify and amend Table B-IV as needed to agree with Figure B-17.1, B-17.2 and Table B-III as shown above.

DESCRIPTION	STATIC/ DYNAMIC	HIERARCHY SYM-ID	TACTICAL GRAPHIC
FIRE SUPPORT AREAS TARGET ACQUISITION ZONES ARTILLERY TARGET INTELLIGENCE (ATI) ZONE	N/A	2.X.4.3.3.1	
FIRE SUPPORT AREAS TARGET ACQUISITION ZONES ARTILLERY TARGET INTELLIGENCE (ATI) ZONE IRREGULAR Parameters 1. Anchor points. This graphic requires a minimum of three anchor points to define the boundary of the area. Add as many points as necessary to accurately reflect the area's size and shape. 2. Size/Shape. Determined by the anchor points. The information fields should be moveable and scaleable within the area. 3. Orientation. Not applicable.	D	2.X.4.3.3.1.1 G*FPAZII ****X Example	ATI ZONE T W W1 ATI ZONE 3BDE 4ID
FIRE SUPPORT AREAS TARGET ACQUISITION ZONES ARTILLERY TARGET INTELLIGENCE (ATI) ZONE RECTANGULAR Parameters 1. Anchor Points. This graphic requires two anchor points and a width, defined in meters, to define the boundary of the area. Points 1 and 2 will be located in the center of two opposing sides of the rectangle. 2. Size/Shape. Size: As determined by the anchor points. The anchor points determine the length of the rectangle. The width, defined in meters, will determine the width of the rectangle. Shape: Rectangle. The information fields should be moveable and scaleable. 3. Orientation. As determined by the anchor points.	D	2.X.4.3.3.1.2 G*FPAZIR ****X Example	ATI ZONE ATI ZONE 3BDE 4ID